

A new insight into mechanisms of age-related changes in heart rate

Zefirov T., Svyatova N., Ziyatdinova N.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Changes in cardiac rhythm induced by blockade of hyperpolarization currents with ZD 7288 depend on animal's age. The increase in cardiointerval duration is related to prolongation of T-P segment on ECG. It is hypothesized that the age-related changes in activity of hyperpolarization channels are determined by a modulating effect of the autonomic nervous system.

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Keywords

Heart, Hyperpolarization currents, Ontogeny, Rat